



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	:	Masaki Takakuwa et al.)	Group Art Unit
)	
Serial No.	:	10/624,423)	
)	
Filed	:	July 21, 2003)	
)	
For	:	ELECTRON BEAM EXPOSURE)	
		APPARATUS AND ELECTRON)	
		BEAM MEASUREMENT MODULE)	
)	
Examiner	:	Unknown)	
)	

REVOCATION AND POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

The undersigned are empowered to act on behalf of the assignees below (the "Assignees") for the U.S. patent application identified above. In the above-identified application, Assignment to the Assignees has been made and filed in the United States Patent and Trademark Office concurrently with the filing of the application. This Assignment represents the entire chain of title of this invention from the Inventors to the Assignees. We have reviewed this Assignment, and to the best of our knowledge and belief, the Assignees are the owners of the entire right, title and interest in this patent application.

We declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. , 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revoke any previous powers of attorney in the above-identified case, and hereby appoints Yasuo Muramatsu, Registration No. 38,684, State Bar No. 186896 (California), and Hideki Muramatsu, Registration No. 45,577, of MURAMATSU &

Serial No. : 10/624,423
Filed : July 21, 2003


ASSOCIATES, 7700 Irvine Center Drive, Suite 225, Irvine, California 92618, U.S.A., as their attorney with full power of substitution and revocation to prosecute said cases and to transact all business in the U.S. Patent and Trademark Office connected herewith.

Please direct all communications relative to this U.S. patent application to the following correspondence address:

MURAMATSU & ASSOCIATES
7700 Irvine Center Drive, Suite 225
Irvine, CA 92618
Telephone: (949) 753-1127
Facsimile: (949) 753-1071

Dated: Feb. 9, 2004

Assignee; Advantest Corporation

By: 
Koji NAKAGOMI
Manager of Intellectual Property Department
1-32-1, Asahi-cho, Nerima-ku,
Tokyo 179-0071 Japan

Dated: _____

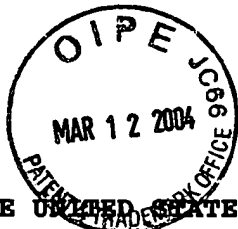
Assignee; Canon Kabushiki Kaisha

By: _____
Nobuyoshi Tanaka, PH.D.
Managing Director
Group Executive
Corporate Intellectual Property and Legal Headquarters
30-2, 3-chome, Shimomaruko,
Ohta-ku, Tokyo, Japan

Dated: _____

Assignee; Hitachi, Ltd

By: _____
Yasuo SAKUTA
Executive Officer,
Intellectual Property Group
Patent Attorney
6, Kanda Surugadai 4-chome,
Chiyoda-ku, Tokyo,
101-8010 Japan



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	:	Masaki Takakuwa et al.)	Group Art Unit
)	
Serial No.	:	10/624,423)	
)	
Filed	:	July 21, 2003)	
)	
For	:	ELECTRON BEAM EXPOSURE)	
		APPARATUS AND ELECTRON)	
		BEAM MEASUREMENT MODULE)	
)	
Examiner	:	Unknown)	
)	

REVOCATION AND POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

The undersigned are empowered to act on behalf of the assignees below (the "Assignees") for the U.S. patent application identified above. In the above-identified application, Assignment to the Assignees has been made and filed in the United States Patent and Trademark Office concurrently with the filing of the application. This Assignment represents the entire chain of title of this invention from the Inventors to the Assignees. We have reviewed this Assignment, and to the best of our knowledge and belief, the Assignees are the owners of the entire right, title and interest in this patent application.

We declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revoke any previous powers of attorney in the above-identified case, and hereby appoints Yasuo Muramatsu, Registration No. 38,684, State Bar No. 186896 (California), and Hideki Muramatsu, Registration No. 45,577, of MURAMATSU &

Serial No. : 10/624,423
Filed : July 21, 2003

ASSOCIATES, 7700 Irvine Center Drive, Suite 225, Irvine, California 92618, U.S.A., as their attorney with full power of substitution and revocation to prosecute said cases and to transact all business in the U.S. Patent and Trademark Office connected herewith.

Please direct all communications relative to this U.S. patent application to the following correspondence address:

MURAMATSU & ASSOCIATES
7700 Irvine Center Drive, Suite 225
Irvine, CA 92618
Telephone: (949) 753-1127
Facsimile: (949) 753-1071


Assignee; Advantest Corporation

Dated: _____

By: _____
Koji NAKAGOMI
Manager of Intellectual Property Department
1-32-1, Asahi-cho, Nerima-ku,
Tokyo 179-0071 Japan

Dated: FEB. 10, 2004. _____

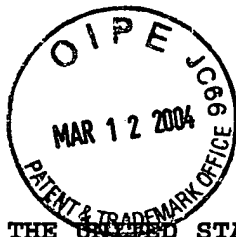
Assignee; Canon Kabushiki Kaisha

By: 
Nobuyoshi Tanaka, PH.D.
Managing Director
Group Executive
Corporate Intellectual Property and Legal Headquarters
30-2, 3-chome, Shimomaruko,
Ohta-ku, Tokyo, Japan

Assignee; Hitachi, Ltd

Dated: _____

By: _____
Yasuo SAKUTA
Executive Officer,
Intellectual Property Group
Patent Attorney
6, Kanda Surugadai 4-chome,
Chiyoda-ku, Tokyo,
101-8010 Japan



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	:	Masaki Takakuwa et al.)	Group Art Unit
)	
Serial No.	:	10/624,423)	
)	
Filed	:	July 21, 2003)	
)	
For	:	ELECTRON BEAM EXPOSURE)	
		APPARATUS AND ELECTRON)	
		BEAM MEASUREMENT MODULE)	
)	
Examiner	:	Unknown)	
)	

REVOCATION AND POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

The undersigned are empowered to act on behalf of the assignees below (the "Assignees") for the U.S. patent application identified above. In the above-identified application, Assignment to the Assignees has been made and filed in the United States Patent and Trademark Office concurrently with the filing of the application. This Assignment represents the entire chain of title of this invention from the Inventors to the Assignees. We have reviewed this Assignment, and to the best of our knowledge and belief, the Assignees are the owners of the entire right, title and interest in this patent application.

We declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revoke any previous powers of attorney in the above-identified case, and hereby appoints Yasuo Muramatsu, Registration No. 38,684, State Bar No. 186896 (California), and Hideki Muramatsu, Registration No. 45,577, of MURAMATSU &

Serial No. : 10/624,423
Filed : July 21, 2003

ASSOCIATES, 7700 Irvine Center Drive, Suite 225, Irvine, California 92618, U.S.A., as their attorney with full power of substitution and revocation to prosecute said cases and to transact all business in the U.S. Patent and Trademark Office connected herewith.

Please direct all communications relative to this U.S. patent application to the following correspondence address:

MURAMATSU & ASSOCIATES
7700 Irvine Center Drive, Suite 225
Irvine, CA 92618
Telephone: (949) 753-1127
Facsimile: (949) 753-1071

Assignee; Advantest Corporation

Dated: _____

By: _____
Koji NAKAGOMI
Manager of Intellectual Property Department
1-32-1, Asahi-cho, Nerima-ku,
Tokyo 179-0071 Japan

Assignee; Canon Kabushiki Kaisha

Dated: _____

By: _____
Nobuyoshi Tanaka, PH.D.
Managing Director
Group Executive
Corporate Intellectual Property and Legal Headquarters
30-2, 3-chome, Shimomaruko,
Ohta-ku, Tokyo, Japan

Assignee; Hitachi, Ltd

Dated: Feb. 6, 2004

By: Yasuo SAKUTA
Yasuo SAKUTA
Executive Officer,
Intellectual Property Group
Patent Attorney
6, Kanda Surugadai 4-chome,
Chiyoda-ku, Tokyo,
101-8010 Japan



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

FEBRUARY 12, 2004

PTAS



102514529A

MORRISON & FOERSTER
DAVID L. FEHRMAN
555 WEST FIFTH STREET, SUITE 3500
LOS ANGELES, CA 90013-1024

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/21/2003

REEL/FRAME: 014328/0733

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

TAKAKUWA, MASAKI

DOC DATE: 01/22/2003

ASSIGNOR:

NAKAYAMA, YOSHINORI

DOC DATE: 02/13/2003

ASSIGNOR:

NAKAMURA, GEN

DOC DATE: 01/28/2003

ASSIGNEE:

ADVANTEST CORPORATION
1-32-1, ASAHI-CHO, NERIMA-KU
TOKYO, JAPAN 179-0071

RECEIVED
FEB 18 2004
MORRISON & FOERSTER LLP
LOS ANGELES

ASSIGNEE:

CANON KABUSHIKI KAISHA
30-2, 3-CHOME, SHIMOMARUKO, OHTA-
KU
TOKYO, JAPAN

ASSIGNEE:

HITACHI LTD
6, KANDA SURUGADAI 4-CHOME,
CHIYODA-KU
TOKYO, JAPAN

SERIAL NUMBER: 10624423
PATENT NUMBER:

FILING DATE: 07/21/2003
ISSUE DATE:

ANTIONE ROYALL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



RECOR

08-01-2003

Patent and Trademark Office
Docket No. 514802002500

To the Commissioner of Patents and Tr.

102514529

Documents or copy thereof.

1. Name of conveying party(ies): Masaki TAKAKUWA;
Yoshinori NAKAYAMA; and Gen NAKAMURA

- ☒ Individual(s) ☐ Association
☐ General Partnership ☐ Limited Partnership
☐ Corporation-State ☐ Other

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: January 22, 2003; February 13, 2003; January 28, 2003

2. Name and address of receiving party(ies):

2a. Name: ADVANTEST CORPORATION
Street Address: 1-32-1, Asahi-cho, Nerima-ku
City and Country: Tokyo 179-0071, JAPAN2b. Name: CANON KABUSHIKI KAISHA
Street Address: 30-2, 3-chome, Shimomaruko, Ohta-ku
City and Country: Tokyo, JAPAN

2c. Name: Hitachi, Ltd.

Street Address: 6, Kanda Surugadai 4-chome, Chiyoda-ku
City and Country: Tokyo 101-8010, JAPANAdditional name(s) & address(es) attached? ☐ Yes ☒ No21910 U.S. PRO
10/624423

07/21/03

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: January 22, January 28, February 13, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

David L. Fehrman
Morrison & Foerster LLP
555 West Fifth Street
Suite 3500
Los Angeles, California 90013-1024

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

- ☐ Enclosed
☒ Authorized to be charged to deposit account, referencing
Attorney Docket 514802002500 (see attached Fee
Transmittal sheet)

8. Deposit account number: 03-1952The Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 03-1952.

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Name: David L. Fehrman
Registration No: (28,600)

Signature

July 21, 2003

Date

Total number of pages comprising cover sheet, attachments and document: 3

07/31/2003 EDOOPER 00000162 031952 10624423

01 FC:8021 40.00 BA

Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services
Director of U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

**ASSIGNMENT OF
US NON PROVISIONAL APPLICATION**

Attorney Ref. _____
Client Ref. 10638-USA-1
JP Atty. Ref. AD-0325US

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

ADVANTEST CORPORATION
1-32-1, Asahi-cho, Nerima-ku, Tokyo, 179-0071 Japan
Representative: MARUYAMA Toshio

Hitachi, Ltd.
6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101-8010 Japan

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

ELECTRON BEAM EXPOSURE APPARATUS AND ELECTRON BEAM MEASUREMENT MODULE

for which the undersigned executed an inventor's declaration for Patent Application of the United States of America

(A) ☒ even date herewith

(B) ☐ in U.S. Appln. No. _____ filed on _____

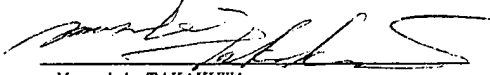
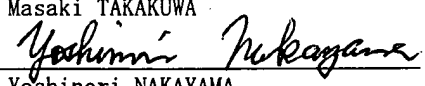
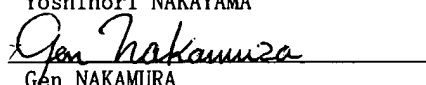
AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

The undersigned hereby authorize(s) its (their) US attorney of record to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS サイン

DATE SIGNED 日付

1):		22/Jan/'03
Name:	Masaki TAKAKUWA	
2):		13/Feb/'03
Name:	Yoshinori NAKAYAMA	
3):		28/Jan/'03
Name:	Gen NAKAMURA	
4):	_____	_____
Name:	_____	
5):	_____	_____
Name:	_____	
6):	_____	_____
Name:	_____	
7):	_____	_____
Name:	_____	
8):	_____	_____
Name:	_____	
9):	_____	_____

**ASSIGNMENT OF
US NON PROVISIONAL APPLICATION**

Attorney Ref. _____

Client Ref. _____

10638-USA-1

JP Atty. Ref. _____

AD-0325US

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

CANON KABUSHIKI KAISHA
30-2, 3-Chome, Shimomaruko, Ohta-ku, Tokyo Japan

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

ELECTRON BEAM EXPOSURE APPARATUS AND ELECTRON BEAM MEASUREMENT MODULE

for which the undersigned executed an inventor's declaration for Patent Application of the United States of America

(A) ☒ even date herewith

(B) ☐ in U.S. Appl. No. _____ filed on _____

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

The undersigned hereby authorize(s) its (their) US attorney of record to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS サイン

DATE SIGNED 日付

1):

Name:

Masaki TAKAKUWA

22 / Jan / '03

2):

Name:

Yoshinori NAKAYAMA

13 / Feb / '03

3):

Name:

Gen NAKAMURA

28 / Jan / '03

4):

Name:

5):

Name:

6):

Name:

7):

Name:

8):

Name:

9):



Attorney Docket No.RYUKA.006AUS; AD-0325US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Masaki TAKAKUWA et al. Art Unit :
Serial No.: 10/624,423 Examiner :
Filed : July 21, 2003
Title : ELECTRON BEAM EXPOSURE APPARATUS AND ELECTRON BEAM
MEASUREMENT MODULE

Assistant Commissioner for Patents
Alexandria, VA 22313-1450

VERIFICATION OF TRANSLATION

I, Kenji OHBA of RYUKA IP LAW FIRM, hereby declare as follows:

- (1) I am fluent in both the Japanese and English languages;
- (2) I have read both the translation of the above-identified application from Japanese to English and the original Japanese text;
- (3) The English translation is a true and correct translation of the above-identified application to the best of my knowledge; and
- (4) That all statements made are of my own knowledge, are true, and that all statements made on information and belief are believed to be true, and further that these statements are made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that such false statements may jeopardize the validity of the application or any patent issuing thereon.

Date:

January 22, 2004

By:

[Signature]